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January 14, 1986

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G Q D COMPLIANCE  
GRAND RAPIDS

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RECEIVED

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Department of Natural Resources  
350 Ottawa Avenue, NW  
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US EPA RECORDS CENTER REGION 5



413468

NORTH BELDING SUBSTATION

Attached are groundwater elevations and concentration of PCB in samples of groundwater collected from monitoring wells at the North Belding Substation site on December 11, 1985. Based on the groundwater elevation measurements, the direction of groundwater flow was south and the groundwater velocity was between 0.0019 ft/dy and 0.0033 ft/dy.

Also attached is a summary of monitoring done at the site to date and a map showing the location of monitoring wells. The data have been consistently below 1 ppb and the variability is not statistically meaningful at these very low levels. In addition, PCB was not detected in any monitoring wells where previously undetected and the groundwater velocity continues to be about 1 ft/yr. Consequently, as discussed in our January 18, 1985 letter, we recommend that the monitoring frequency be adjusted to annually (in June) for 1986 through 1989.

Please let me know if you concur with this adjustment.

Should you have any questions about this information, please contact Bruce Rasher at (517) 788-0331.

P C Hittle, Director  
Environmental Department

By *[Signature]*

BWR/aes

CC RCWaybrandt-DNR Hazardous Waste Division, Grand Rapids

OC0186-0016A-EN04

Consumers Power Company  
North Belding Substation

Groundwater elevation (ft USGS) and concentration of PCB (ppb as PCB Arochlor 1242) in samples of groundwater collected from monitoring wells at Consumers Power Company's North Belding Substation site on December 11, 1985.

<u>Monitoring Well</u>	<u>Groundwater Elevation ft USGS)</u>	<u>PCB Concentration (ppb as PCB Arochlor 1242)</u>
810W-1	816.03	ND <sup>a</sup>
810W-2	816.08	ND
810W-3	815.47	ND
810W-4	815.54	ND
82CW-1A	815.61	ND
82CW-1B	815.52	ND
82CW-1C	815.37	ND
82CW-2A	815.77	0.379
82CW-2B	815.75	0.200
82CW-2C	815.52	ND

<sup>a</sup> ND indicates not detected at 0.053 ppb as PCB Arochlor 1242.

BWR/1-14-86

Consumers Power Company  
North Belding Substation

Concentration of PCB (ppb as PCB Arochlor 1242) in samples of groundwater collected from monitoring wells at Consumers Power Company's North Belding Substation site from 1981 through 1985.

Monitoring Well	<u>5-27-81</u>	<u>11-24-82</u>	<u>10-3-83</u>	<u>10-27-83</u>	<u>4-24-84</u>	<u>3-5-85</u>	<u>6-4-85</u>	<u>9-5-85</u>	<u>12-11-85</u>
810W-1	< 0.5	< 0.5	< 0.05	< 0.05	< 0.05	< 0.053	< 0.053	< 0.053	< 0.053
810W-2	< 0.5	< 0.5	< 0.05	< 0.05	< 0.05	< 0.053	< 0.053	< 0.053	< 0.053
810W-3	< 0.5	< 0.5	< 0.05	< 0.05	< 0.05	< 0.053	< 0.053	< 0.053	< 0.053
810W-4	< 0.5	< 0.5	< 0.10	< 0.10	< 0.10	< 0.053	< 0.053	< 0.053	< 0.053
82CW-1A	-	< 0.5	< 0.05	< 0.05	< 0.05	< 0.074	< 0.053	< 0.053	< 0.053
82CW-1B	-	< 0.5	< 0.05	< 0.05	< 0.05	< 0.053	< 0.053	< 0.053	< 0.053
82CW-1C	-	< 0.5	< 0.05	< 0.05	< 0.05	< 0.055	< 0.053	< 0.053	< 0.053
82CW-2A	-	< 0.5	0.09	1.0	< 0.05	0.130	0.326	0.242	0.379
82CW-2B	-	< 0.5	0.11	1.7	0.08	0.084	0.105	0.168	0.200
82CW-2C	-	< 0.5	< 0.05	0.23	< 0.05	< 0.053	< 0.053	< 0.053	< 0.053

BWR/1-7-86

MI0186-0008A-EN04